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Substitute for ~~Form~~ 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/723,350
Filing Date	November 26, 2003
First Named Inventor	Martin, Joel L.
Group Art Unit	1754
Examiner Name	Unknown
Attorney Docket No.	C51757 0310

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	February 25, 2005
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.



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PTO/SB 08A (08-1) Substitute for Form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Number	10/723,350
Filing Date	November 26, 2003
First Named Inventor	Martin, Joel L.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	C51757 0310

(Use as many sheets as necessary)

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>M</i>	1	3,334,119	08/01/1967	Cohen	
<i>M</i>	2	3,431,288	03/04/1969	Gibbons et al.	
<i>M</i>	3	3,541,215	11/17/1970	DeMarco et al.	
<i>M</i>	4	3,952,105	04/20/1976	Dorschner	
<i>M</i>	5	5,258,475	11/02/1993	Kissin	
<i>M</i>	6	5,326,837	07/05/1994	Kissin	
<i>M</i>	7	5,631,335	05/20/1997	Alt et al.	
<i>M</i>	8	5,637,744	06/10/1997	Alt et al.	
	9	5,726,134	03/10/1998	Adams	
<i>M</i>	10	5,726,332	03/10/1998	Eisch et al.	
<i>M</i>	11	5,906,955	05/25/1999	Hamura et al.	
<i>M</i>	12	5,919,983	07/06/1999	Rosen et al.	
<i>M</i>	13	5,942,459	08/24/1999	Sugano et al.	
<i>M</i>	14	6,034,187	03/07/2000	Machama et al.	
<i>M</i>	15	6,037,442	03/14/2000	Proulx et al.	
<i>M</i>	16	6,069,109	05/30/2000	Kao et al.	
<i>M</i>	17	6,107,230	08/22/2000	McDaniel et al.	
<i>M</i>	18	6,165,929	01/26/2000	McDaniel et al.	
<i>M</i>	19	6,340,652	01/22/2002	Sugano et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>M</i>	20	DE 1105416	04/27/1961	Natta et al. <i>Ziegler et al.</i>	
<i>M</i>	21	BE 635987	02/10/1964	Feay	
<i>M</i>	22	SU 300478	04/07/1971	Matkovskii	(Abstract Only)
<i>M</i>	23	EP 0683180A2	11/22/1995	Suga et al.	
<i>M</i>	24	EP 0741146A1	11/06/1996	Fusco et al.	
<i>M</i>	25	EP 0775712A1	05/28/1997	Tsai et al.	
<i>M</i>	26	EP 0780405A1	06/25/1997	Po et al.	
<i>M</i>	27	EP 0788220A1	07/23/1997	Milani et al.	

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PTO/SB/08A-008-03) Substitute for Form 1449/PTO

Application Number

107-23,350

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

November 26, 2003

First Named Inventor.

Martin, Joel L.

Art Unit	
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Unknown

Examiner Name

Unknown

Attorney Docket Number

C51757 0310








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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	31	EP 0838481A1	04/29/1998	Po et al.	
	32	EP 0861853A1	09/02/1998	Masi et al.	
	33	JP 11279189A2	10/12/1999	Mitani et al.	
	34	WO 9960033A1	11/25/1999	McDaniel et al.	
	35	TW 386090	04/01/2000	Tsai et al.	
	36	WO 02077043A1	10/03/2002	Percec et al.	
	37	JP 2002282784A2	10/02/2002	Yamashiro et al.	
	38	JP 2002282782A2	10/02/2002	Yamashiro et al.	
	39	EP 0927201B1	04/14/2004	Lee et al.	

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PTO/SB/08B (08-03) Substitute for Form 449/PTO	Application Number	10/723,356
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	November 26, 2003
	First Named Inventor	Martin, Joel L.
(Use as many sheets as necessary)	Art Unit	Unknown
	Examiner Name	Unknown
Sheet 3 of 3	Attorney Docket Number	C51757 0310

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
M	40	GORSICH, RICHARD D., "Preparation and Properties of Cyclopentadienyltitanium Trichloride," 15th Southwest Regional Meeting of the American Chemical Society, December 3, 1959, pp. 4211-4214, Vol. 82, Baton Rouge, USA
M	41	SUZUKI, HIDEO and TAKIGUCHI, TOSHIO, "Preparation and Some Properties of Triorganosiloxy Derivatives of Cyclopentadienyl Titanium", Bulletin Of The Chemical Society Of Japan, 1975, pp. 2460-2461, Vol. 48(9), Japan
M	42	DICKSON, R. S. and WEST, B. O., "The Reaction Of Alkali Metal Derivatives Of Group IV Metal Alkyls With Bis(Cyclopentadienyl) Titanium(IV) Dichloride," Australian Journal Of Chemistry, 1961, Vol. 14, pp. 555-561, Melbourne, Australia
M	43	NOMURA, KOTOHIRO; NAGA, NAOFUMI; MIKI, MISAO; YANAGI, KAZUNORI; and IMAI, AKIO, "Synthesis Of Various Nonbridged Titanium(IV) Cyclopentadienyl-Aryloxy Complexes Of The Type CpTi(OAr)X ₂ And Their Use In The Catalysis Of Alkene Polymerization. Important Roles Of Substituents On Both Aryloxy And Cyclopentadienyl Groups," Organometallics, 1998, pp. 2152-2154, Vol. 17, No. 11, American Chemical Society, USA
M	44	KÖPPL, ALEXANDER; ALT, HELMUT G., "Heterogeneous Metallocene Catalysts For Ethylene Polymerization," Journal of Molecular Catalysis A: Chemical, 2001, pp. 23-32, Vol. 165, Elsevier, The Netherlands
M	45	KAJIGAESHI, SHOJI; KADOWAKI, TOSHIYA; NISHIDA, AKIKO; and FUJISAKI, SHIZUO, "Selective Preparation of Fluorene Derivatives Using the t-Butyl Function as a Positional Protective Group," Bull. Chem. Soc. Jpn., 1986, pp. 97-103, Vol. 59, The Chemical Society of Japan, Japan
M	46	ALT, HELMUT, G.; JUNG, MICHAEL; KEHR, GERALD, "C ₁ -verbrückte Fluorenyliden-Indenylidenkomplexe des Typs (C ₁₃ H ₈ -CR ₂ -C ₉ H ₆ , R')ZrCl ₂ (n=0, 1; R=Me, Ph, Butenyl; R'=Alkyl, Alkenyl) als Metallocenkatalysatorvorstufen für die Ethylenpolymerisation," Journal of Organometallic Chemistry, 1998, pp. 153-181, Vol. 562, Elsevier, Spain
M	47	ALT, HELMUT, G.; JUNG, MICHAEL "C ₁ -Bridged Fluorenylidene Cyclopentadienylidene Complexes of the Type (C ₁₃ H ₈ -CR ¹ R ² -C ₉ H ₅ R)ZrCl ₂ (R ¹ R ² =alkyl, phenyl, alkenyl; R=H, alkyl, alkenyl, substituted silyl) as Catalyst Precursors for the Polymerization of Ethylene and Propylene," Journal of Organometallic Chemistry, 1998, pp. 87-112, Vol. 568, Elsevier, Spain
M	48 (Abstract Only)	BABITSKII, B. D.; GOLENKO, T. G.; DOLGOPLOSK, B. A.; KORMER, V. A.; SKOBLIKOVA, V.I.; TINYAKOVA, E. I., "Stereospecific Polymerization of Butadiene in the Presence of Catalyst Systems Based on π-cyclopentadienyl Complexes of Nickel," Doklady Adakemii Nauk SSSR, 1965, pp. 836-838, Vol. 161(4), S.V. Lebedev All-Union Synth. Rubber Res. Inst., Leningrad, Russia
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